

FIG. 3A

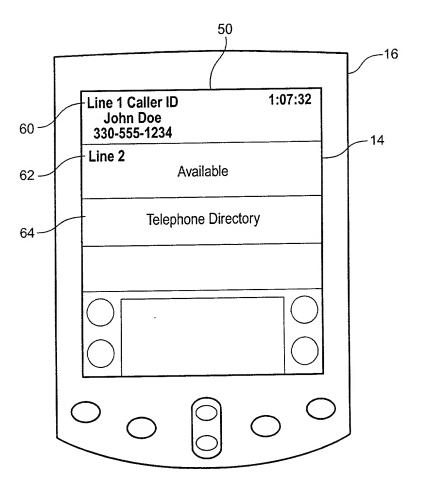
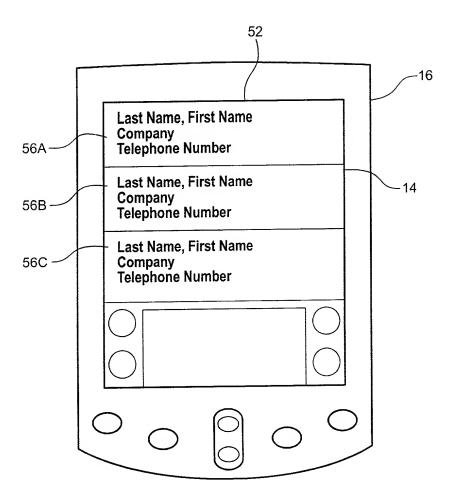
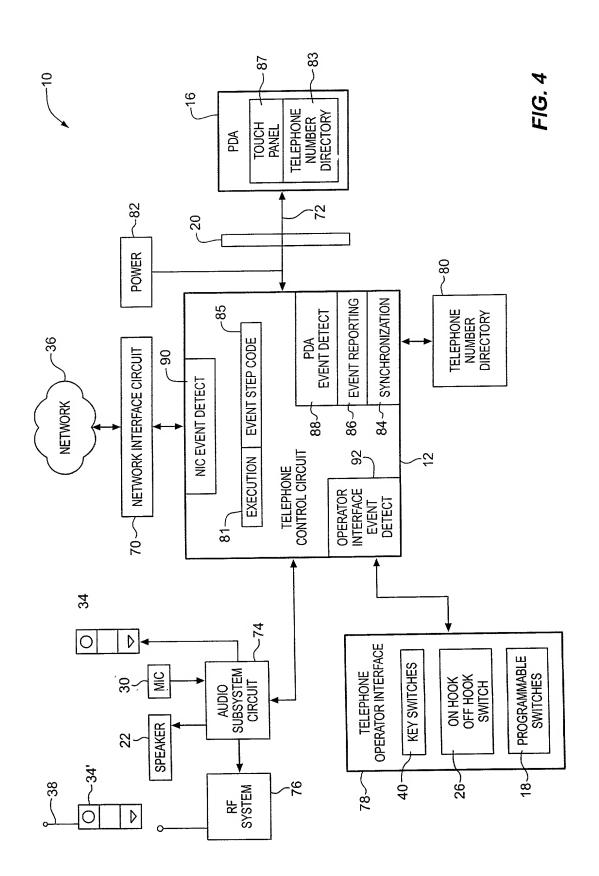


FIG. 3B





STANDBY	CURRENT STATE	OPERATOR INTERFACE EVENT	TELEPHONE NETWORK INTERFACE EVENT	PDA EVENT	PROCESSING STEPS
	рву	OFF HOOK EVENT		OFF HOOK EVENT	TRANSITION TO OFF HOOK DT STATE
	DBY		RINGING EVENT		TRANSITION TO RING STATE
94 4 STANDBY	IDBY	TELEPHONE DIRECTORY SELECTION EVENT		TELEPHONE DIRECTORY SELECTION EVENT	TRANSITION TO OFF HOOK DT STATE DIAL IN ACCORDANCE WITH SELECTED TELEPHONE NUMBER
RING		OFF HOOK EVENT		OFF HOOK EVENT	TRANSITION TO OFF HOOK DT STATE
RING			RECEIVE CALLER ID		REPORT CALLER ID INFORMATION TO PDA
RING	40		TERMINATION OF RING EVENT		TRANSITION TO STANDBY STATE
OFF.	OFF HOOK CALL	ON HOOK EVENT		ON HOOK EVENT	TRANSITION TO STANDBY STATE
OFF	OFF HOOK CALL		TERMINATION OF AUDIO STREAM		TRANSITION TO STANDBY STATE
	OFF HOOK CALL	KEY SWITCH ACTIVATION EVENT		KEY SWITCH ACTIVATION EVENT	GENERATE SCRATCH PAD TONE
\	OFF HOOK DT	ON HOOK EVENT		ON HOOK EVENT	TRANSITION TO STANDBY STATE
95 \ OFF	ОFF НООК DT	KEY SWITCH ACTIVATION EVENT		KEY SWITCH ACTIVATION EVENT	GENERATE SCRATCH PAD TONES SETUP CALL WITH DIALED TELEPHONE NUMBER

FIG. 5

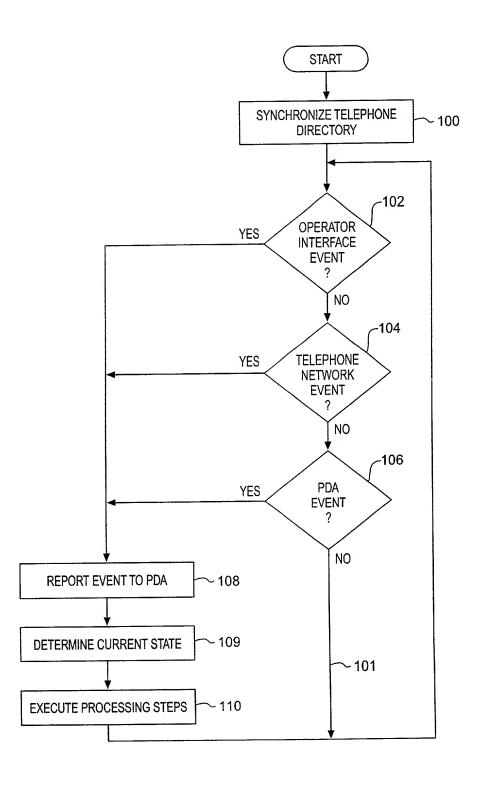
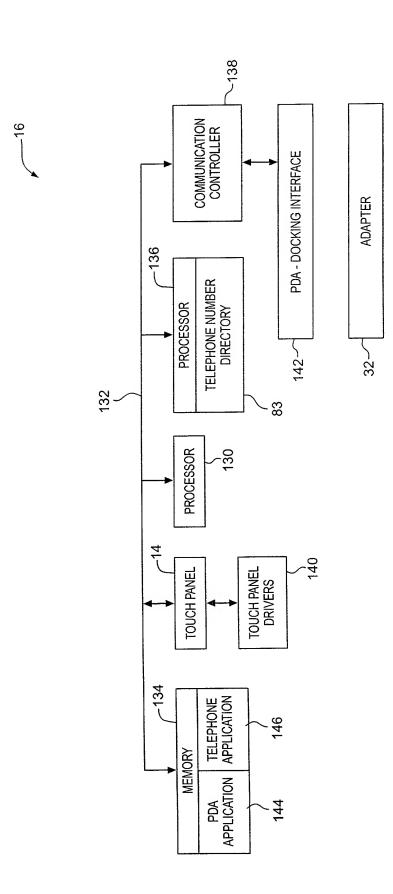


FIG. 6



F1G. 7

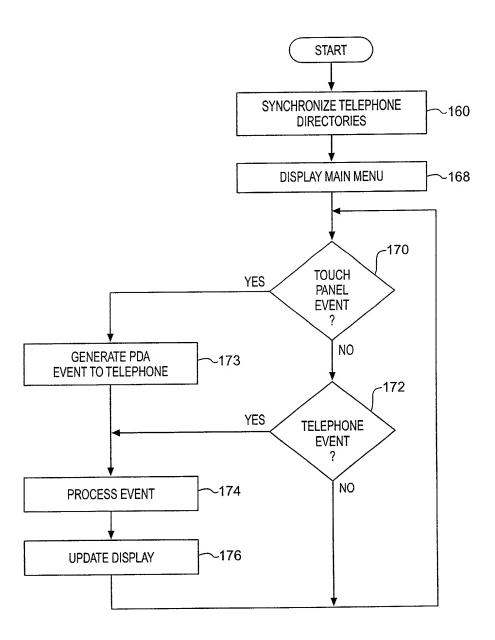


FIG. 8

	START UP STATE - WAITING FOR EVENTS	
000	EVENTS	STEPS
300	OPEN SESSION REQUEST ON PREDETERMINED PORT	ESTABLISH NEW LOCAL COMMUNICATION DEVICE STATE MACHINE ESTABLISH SESSION SEND LOGON CONTROL SCRIPTS GET CSS INTERFACE CONFIGURATION PROVIDE MAIN MENU DISPLAY CONTENT PROVIDE MAIN MENU LAYOUT CONTROL GO TO MAIN MENU STATE

FIG. 8A

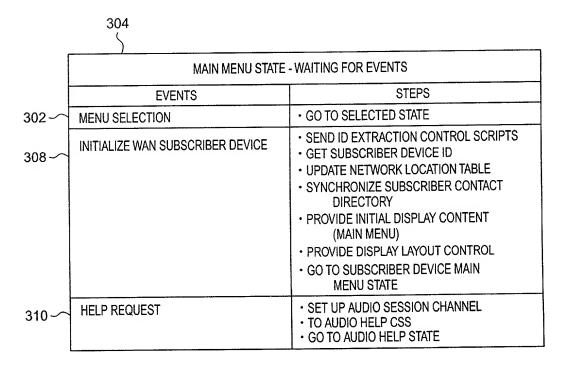


FIG. 8B

	316	
	SUBSCRIBER DEVICE MAIN ME	ENU STATE - WAITING FOR EVENTS
	EVENTS	STEPS
312~	MENU SELECTION	- GO TO SELECTED STATE
320~	HELP REQUEST	PROVIDE HELP MENU DISPLAY CONTENT PROVIDE HELP MENU DISPLAY LAYOUT CONTROL GO TO GRAPHIC HELP STATE
322~	MESSAGE REQUEST	GET MESSAGES FROM REMOTE SYSTEM SORT MESSAGES BY TYPE PROVIDE MESSAGE LIST CONTENT
324~	AUDIO MESSAGE REQUEST	PROVIDE MESSAGE LIST LAYOUT CONTROL GO TO MESSAGE LIST STATE
314~	DIRECTORY REQUEST	PROVIDE DIRECTORY CONTENT AND LAYOUT CONTROL TRANSITION TO SUBSCRIBER DIRECTORY STATE
326~	SUBSCRIBER DEVICE REMOVE	• GO TO MAIN MENU STATE

FIG. 8C

	328	
	MESSAGE LIST STATI	E - WAITING FOR EVENTS
	EVENTS	STEPS
334 ~	AUDIO MESSAGE SELECT	SEND AUDIO FILE TO CSS PROVIDE PROCESSING SCRIPT TO OUTPUT FILE GO TO AUDIO SESSION STATE
336~	MESSAGE SELECT	PROVIDE MESSAGE DISPLAY CONTENT PROVIDE MESSAGE DISPLAY LAYOUT CONTROL GO TO MESSAGE DISPLAY STATE
338~	MESSAGE PRINT	FORMAT MESSAGE CONTENT FOR PRINTER SEND MESSAGE FILE TO PRINTER GO TO MESSAGE LIST STATE
340~	HELP REQUEST	PROVIDE HELP MENU DISPLAY CONTENT AND DISPLAY LAYOUT CONTROL GO TO GRAPHIC HELP STATE
342~	SUBSCRIBER DEVICE REMOVE	• GO TO MAIN MENU STATE

FIG. 8D

_	370	
	SUBSCRIBER DIRECTORY	STATE - WAITING FOR EVENTS
	EVENTS	STEPS
372~	RECEIVE CONTACT SELECTION	PROVIDE CONTROL SCRIPT TO SETUP AUDIO SESSION WITH CONTACT
		PROVIDE AUDIO SESSION DISPLAY CONTENT AND LAYOUT CONTROL TRANSITION TO AUDIO SESSION STATE
374~	HELP REQUEST	PROVIDE HELP MENU DISPLAY CONTENT AND DISPLAY LAYOUT CONTROL GO TO GRAPHIC HELP STATE
378~	SUBSCRIBER DEVICE REMOVE	• GO TO MAIN MENU STATE

FIG. 8E

	BASE STATE - WAITI	NG FOR EVENTS
	EVENTS	STEPS
354~	TOUCH PANEL	REPORT TOUCH PANEL EVENT TO CONTROLLER
		• RETURN TO BASE STATE
356 ~	SUBSCRIBER INTERFACE CONTROL BUTTON	 REPORT BUTTON ACTIVATION TO CONTROLLER AND PVA RETURN TO BASE STATE
358~	RECEIVE DISPLAY CONTENT AND LAYOUT CONTROL MESSAGES	• UPDATE DISPLAY • RETURN TO BASE STATE
360~	RECEIVE PROCESSING SCRIPT	PROCESS SCRIPT RETURN TO BASE STATE
362~	WAN TELEPHONE SIGNAL	• GO TO WAN STATE
364~	DETECT SUBSCRIBER DEVICE	• SEND INITIALIZE SUBSCRIBER MESSAGE • RETURN TO BASE STATE
350~	RECEIVE MESSAGES FROM CONTROLLER DIRECTED TO SUBSCRIBER DEVICE	RELAY MESSAGES TO SUBSCRIBER DEVICE
352~	RECEIVE MESSAGES FROM SUBSCRIBER DEVICE DIRECTED TO CONTROLLERS	RELAY MESSAGES TO CONTROLLER

346~	START UP - WAITING FOR EVENTS	
	EVENTS	STEPS
366~	NETWORK CONNECTION	SESSION REQUEST TO CONTROL UNIT
368~	RECEIVE LOGIN SCRIPT	PROCESS LOGON SCRIPT PROVIDE INTERFACE CONFIGURATION GO TO BASE STATE

FIG. 9

	380	
	STANDBY STATE - \	NAITING FOR EVENTS
	EVENTS	STEPS
388 -	AUDIO SESSION SIGNAL FROM PACKET VOICE GATEWAY	TRANSITION TO CALL SIGNALING STATE REPORT STATE TRANSITION TO CSS APPLICATION
390 ~	SUBSCRIBER INTERFACE CONTROL (OFF HOOK)	TRANSITION TO OFF HOOK STATE REPORT STATE TRANSITION TO CSS APPLICATION
392~	SESSION SETUP EVENT FROM CSS APPLICATION	SEND CALL SIGNALING MESSAGE TO GATEWAY TRANSITION TO CALL SIGNALING STATE REPORT TRANSITION TO CSS

	382	
	CALL SIGNALING STAT	E - WAITING FOR EVENTS
	EVENTS	STEPS
394~	ON HOOK EVENT	RETURN TO STANDBY STATE REPORT STATE TRANSITION TO CSS APPLICATION
396~	TERMINATION OF SIGNALING	RETURN TO STANDBY STATE REPORT STATE TRANSITION TO CSS APPLICATION
398~	READY FOR AUDIO SESSION	TRANSITION TO AUDIO SESSION STATE REPORT STATE TRANSITION TO CSS APPLICATION

FIG. 10A

_	384	
	OFF HOOK STATE -	WAITING FOR EVENTS
	EVENTS	STEPS
400~	SUBSCRIBER INTERFACE CONTROL (KEY PAD ACTIVATION) FROM CSS APPLICATION	GENERATE DTMF TONE
402~	VALIDATION OF NUMBER SEQUENCE	SEND CALL SIGNALING MESSAGES TO GATEWAY TRANSITION TO CALL SIGNALING STATE REPORT TRANSITION TO CSS APPLICATION
404~	SUBSCRIBER INTERFACE CONTROL (ON HOOK)	• RETURN TO STANDBY STATE

_	386 〉	
	AUDIO SESSION STA	TE - WAITING FOR EVENTS
	EVENTS	STEPS
406~	TERMINATION OF AUDIO SESSION	RETURN TO OFF HOOK STATE
408~	SUBSCRIBER INTERFACE CONTROL (KEY PAD ACTIVATION)	GENERATE DTMF TONE
410~	SUBSCRIBER INTERFACE CONTROL (ON HOOK) FROM CSS APPLICATION	RETURN TO STANDBY STATE

FIG. 10B